

Cost Research

Army Day

DODCAS 2004

13 February 2004

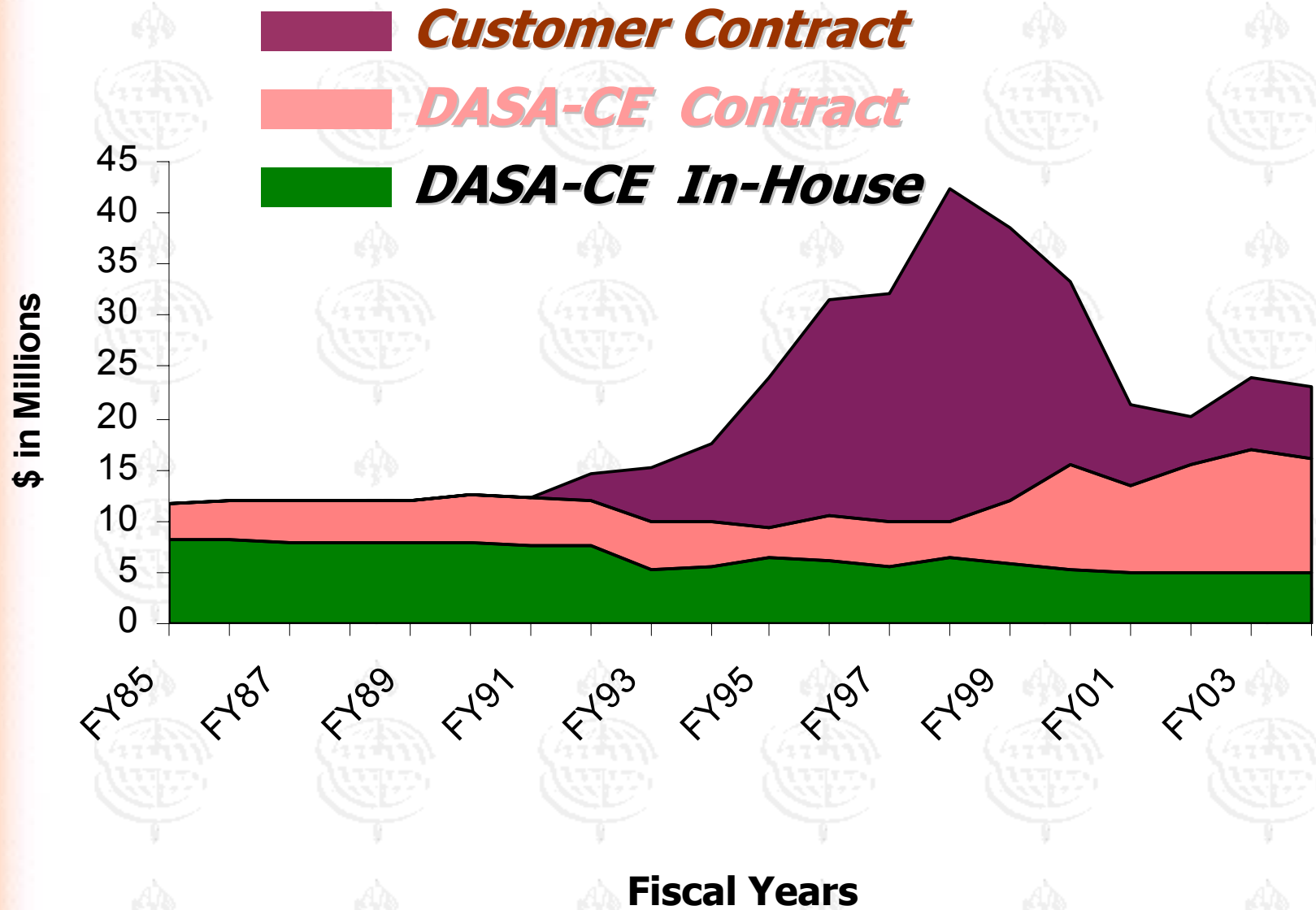
Single Award Lot Contractors

<u>AREA</u>	<u>COMPANY</u>
Operations & Support Data Collection, Analysis & Estimating	Calibre
Financial Management Operations	Calibre
Personnel/Forces Database	MAI
C ⁴ ISR Database, Cost Research & Program Office Support	Technomics
Missile Database, Cost Research & Program Office Support	MCR
SAIC Database & Cost Research	
Aircraft/Aviation Systems Database & Cost Research	Ketron

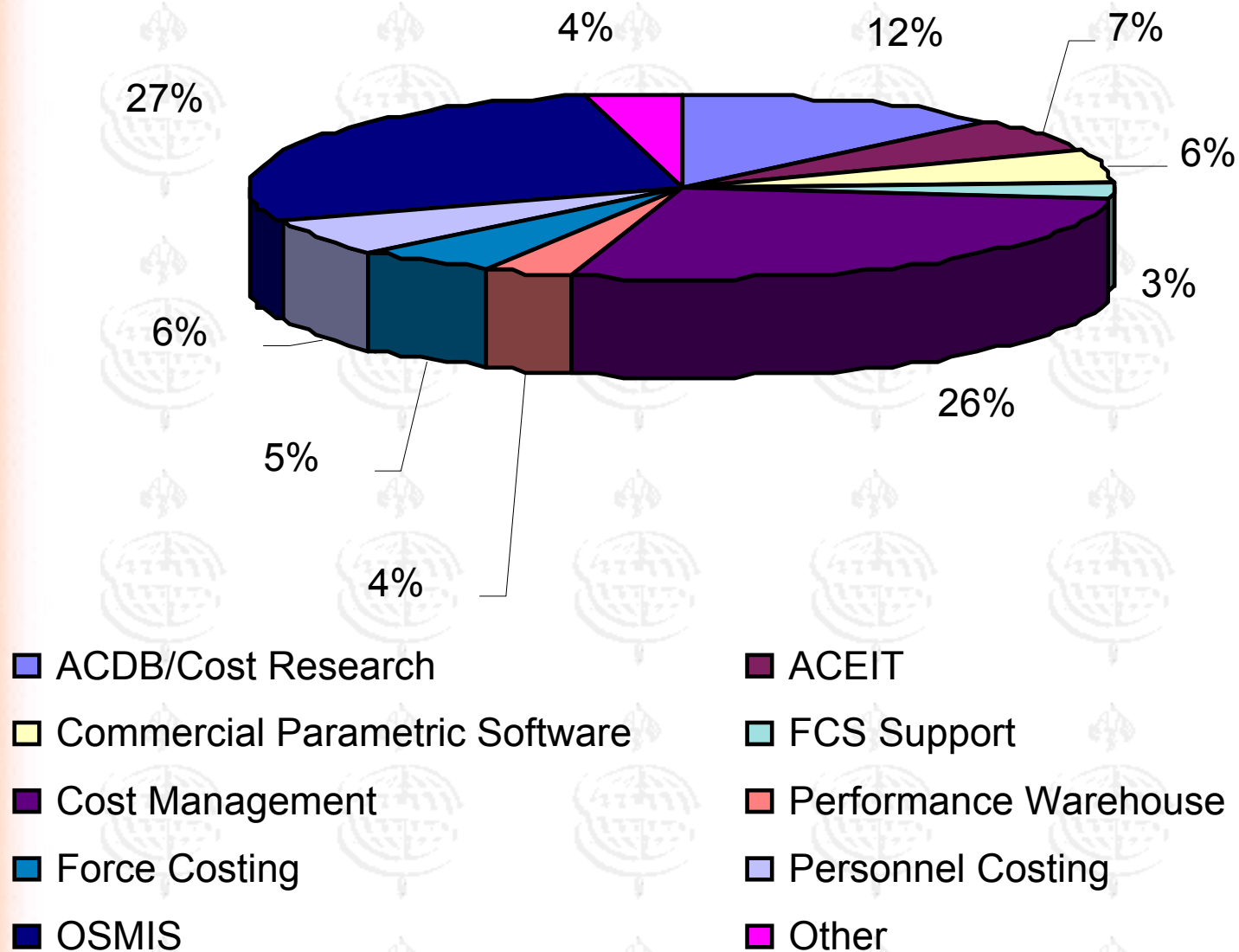
Future Technologies & General Support Multiple Award Lot Contractors

1. Advanced Concepts and Technologies International, LLC (ACT-I)
 - Booz, Allen and Hamilton, Calibre Systems, CDO Technologies, Contemporary Management Systems, Day-Tech, Dulos Inc, TASC
2. Logistics Management Institute (Imi)
 - Battelle Memorial Institute, Summit Engineering Group
3. MCR Federal Inc. (MCR)
 - BAE Systems, Frontier Technologies Inc., Mission Research Corp., Wexford Group International
4. PRICE Systems, L.L.C.
 - Altarum, Quantech Services, Inc.
5. Technomics
5. Tecolote Research
 - Galorath Inc., Qualis, SAIC, SAS
7. Wyle Labs
 - NOESIS, Inc.

Cost Analysis Program



DASA-CE FY03 Contract Breakout



Automated Cost Databases (ACDB)

- Provides annual database update
- Commodity Areas
 - Missile & Munitions
 - Aircraft/Aviation Systems
 - Wheeled, Tracked & Combat Vehicle
 - C⁴ISR
- Database Content
 - Cost, Technical, Programmatic data
 - Sources: CCDDR, CPR, Contracts, Accounting Records
 - Additional data collection to allow use of commercial parametric models
 - Attached documents
- Other
 - Commodity Specific Training
 - Analysis support

Commodity Specific Research (Ongoing)

- Missile Propulsion Cost Performance Estimating Relationships (CPER)
- Analysis and Evaluation of Composite Materials for Vehicles
- Vehicle Non-Manufacturing Cost Factors
- Vehicle Family of Systems Factors
- Sensor CPER

Tasks:

- Data collection
- Develop CPER or factor
- Additional data collection to allow use of commercial parametric models

Commodity Specific Research (Future)

- Sensor Cost Performance Estimating Relationships (CPER)
 - Update CPER/CER for following technologies:
IR, MMW, Acoustic, etc.
- Unmanned Aerial Vehicle Payload/Command & Control
CPER

Tasks:

- Data collection
- Develop CPER or factor
- Additional data collection to allow use of commercial
parametric models

Future Technologies & General Support

(Ongoing)

1. Integrated Performance Cost Model (IPCM)
2. Test & Evaluation Methodology Development
3. SDD Development Engineering Methodology Development
Considering Evolutionary Acquisition Impacts
4. Turbojet/Turbofan Propulsion Unit Cost Performance
Estimating Relationships
5. Automated Cost Estimating Integrated Tools (ACEIT)

Integrated Performance Cost Model (IPCM)

- What is IPCM?
 - Model that will interface cost models with models from other functional areas to perform
 - Analyst can interface with five different types of models:
 - Requirements
 - Effectiveness
 - Engineering
 - Cost
 - Logistics models
 - Capability
 - System level/component level trade-off analysis (AoA support)
 - CAIV analysis (Engineering support)
 - Cost Analysis (POE/ICE/ACP support)
 - Funded by the Army Modeling & Simulation Office

Integrated Performance Cost Model (IPCM)

- What is the status?
 - Four teams developed architecture approaches during study phase
 - LMI/Battelle/Summit Engineering team selected to develop a limited prototype model to demonstrate architecture capability
 - Using FIPER software for model integration
 - FIPER is an integration package that allows easy linkage and optimization of models
 - Prototype expected at end of May 2004
 - Government team will review prototype model and architecture in June 2004
 - Release RFQ for bid for next phase of model development in late June-early July timeframe

Other Contracts

1. Commercial Parametric Modeling Software

- PRICE Systems Estimating Suite
- Galorath SEER-SEM/SSM, Hardware (limited distribution)
- Unlimited license and training provided to 7 major Army sites
- Limited hours available for consulting services

2. Rayleigh Analyzer Spreadsheet Model

- Unlimited license provided to 7 major Army sites

3. COTS Electronics Model (PACER)

- Air Force Contract to Develop Box level CER

For further information on research or models call (703) 601-4163

Cost Manual

- What is the status of the update?
 - Update behind schedule
 - Plan to release draft for internal ODASA-CE Review late Feb 2004
 - Release draft for external review March 2004 timeframe
 - Document will become a living document with periodic updates
 - Document will include change log